

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2016 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	19.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2016 - 3/22/2016			
DWR Inspector	Keith Millard			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Spring 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

No Photos

Photo 1 of 2 : UCIP_SP_2016_48511_46983.jpg



Waterside view: overview

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Spring 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	1.17	Rating **	U	Issue No.	57 (cont)
LM End	1.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.194106 °	39.194106 °
				-121.953512 °	-121.953512 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:48511 DS_ID:17319 EP_NO: 9527 Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/5/2016 Caved-in slope on landside (LS) not yet repaired. Leaky pipe marker gone. Per Bob Duffey (DWR FPIIB inspector), pipe will be replaced by owner next year. If not, will go to CVFPB enforcement.4/6/2015 Pipe leaks during times of High water. Slope damage still present. needs a more detailed inspection to find the leak.Abandoned and plugged/capped steel pipe on WS berm. DWR leaky pipe marker on LS (12-3). Slope failure on LS. Needs capping of LS steel pipe after detailed investigation.6/30/2014 Same as last inspection.12/30/2013 Same as last inspection.7/29/2013 Pipe does not appear to be abandoned. On the WS it appears that a smaller pipe was sleeved into the 18in. pipe and then the difference capped and welded. Pump was not running at time of inspection but LS ditch near outlet was wet. LS slope damage and leaky pipe marker are still present. FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 12.5 feet below the crown. Gate valve on the waterside (WS). Vertical pump on the WS bank (Automatic Board Order (ABO) issued as Permit No. 9527, 1974 - Butte Creek Farms) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, March 1960] FS Date: 4/5/2016 8:13:00 AM					

A large, dark, cylindrical metal barrel, possibly a water container or a component of a well, is shown. It has a wooden handle and a metal rod protruding from the top. The barrel is set against a background of a grassy field and trees. The text "© 2007 by the author" is visible in the bottom right corner.

Waterside view: CMP riser with slide gate

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	1.44	Rating **	U	Issue No.	58
LM End	1.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.192502 °	39.192502 °
				-121.958062 °	-121.958062 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48512
DS_ID:17320
EP_NO: 9543
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/5/2016 Erosion on WS slope still present. Pipe still fully submerged on WS and discharging during site visit.4/6/2015 Pipe leaks during high water. DWR employee said he suspects that the flap gate has rotted and fallen off WS end of pipe. Could not locate WS end of pipe to confirm. Water was flowing through this drain during field survey.7/29/2013 Same as last inspection.12/30/2013 Same as last inspection.6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe (at 45 degrees) through the levee, 25.2 feet below the crown. Flap gate on waterside (WS), not found. (Automatic Board Order (ABO) issued as Permit No. 9543, 1974 – Harada) [Additional Reference(s): DWR Levee Log, 2002. USACE Sacramento O&M Manual 136, revision March 1960 (HLM 1.38)]
FS Date: 4/5/2016 8:28:00 AM

LM Start	1.44	Rating **	U	Issue No.	58 (cont)
LM End	1.44	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_48512_46992.jpg



Waterside view: overview of river bank

Photo 2 of 2 : UCIP_SP_2016_48512_46991.jpg



Waterside view: water flowing from outlet pipe (pipe fully submerged)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	1.91	Rating **	U	Issue No.	39
LM End	1.91	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.188164 °	39.188164 °
				-121.964721 °	-121.964721 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44138
DS_ID:17321
EP_NO: 9543
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/6/2015 Sloughing LS slope and river bank. DWR marking for leaky pipe.7/29/2013 Same as last inspection.12/30/2013 Same as last inspection.6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: 14-inch steel pipe encased in concrete through the levee 12.5 feet below the crown. Slant pump mounted on pile structure on berm. Slide gate in 48-inch riser on berm, walkway to pump. Discharges into concrete distribution box at landward toe. Flap gate on the landward end. (ABO No. 9543 - Harada). O&M manual 136, revision May 2011
FS Date: 4/7/2015 8:41:12 AM

LM Start	1.91	Rating **	U	Issue No.	39 (cont)
LM End	1.91	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44138_47004.jpg



Waterside view: pipe @river bank

Photo 2 of 2 : UCIP_SP_2016_44138_47003.jpg



Waterside view: abandoned pump station.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	2.08	Rating **	M	Issue No.	40
LM End	2.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.187717 °	39.187717 °
				-121.967712 °	-121.967712 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44139
DS_ID:17305
EP_NO: 9541
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: CMP standpipe with gate valve. Abandoned pump house. Pipe discharges into open ditch at landward toe- not found.4/6/2015 Same as last inspection.7/29/2013 Same as last inspection.12/30/2013 Same as last inspection.6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: Abandoned 24-inch pipe through the levee 13.5 feet below the crown, pump in metal house on berm. Slide gate in corrugated metal pipe riser on the waterward slope. Service pole and guy wire anchor on waterward slope. (ABO No. 9541 - Wilbur, McGowan, Zinke). O&M manual 136, revision May 2011
FS Date: 4/7/2015 8:42:33 AM

LM Start	2.08	Rating **	M	Issue No.	40 (cont)
LM End	2.08	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44139_47013.jpg



Waterside view: overview

Photo 2 of 2 : UCIP_SP_2016_44139_47011.jpg



Waterside view: overview of pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	3.41	Rating **	M	Issue No.	42
LM End	3.41	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.198180 °	39.198180 °
				-121.985557 °	-121.985557 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44146
DS_ID:17312
EP_NO: 9539
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/6/2015 6in. and 18in. pipes still present in crossing and WS end still plugged with concrete.- it seems that the system was originally designed for drainage, later converted into irrigation system.

- 6-inch GI pipe and 18-inch PVC pipes inserted into culvert from LS (not plugged)- WS opening is plugged with concrete.- probably pump is located 350 ft from levee as seen from Google Earth Map.7/29/2013 Same as last inspection.12/30/2013 Same as last inspection.6/30/2014 Same as last inspection.

FIELD_STRUCT_DESC: A 30-inch by 36-inch concrete culvert drain through the levee. Gates with 2-inch flashboards on the waterward end. 18-inch PVC pipe through culvert. 13.6 ft invert below crown. (ABO No. 9539 - Locvich). O&M manual 136, revision May 2011
FS Date: 4/7/2015 9:02:27 AM

LM Start	3.41	Rating **	M	Issue No.	42 (cont)
LM End	3.41	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44146_47049.jpg



Waterside view: plugged concrete structure and siphon breakers

Photo 2 of 2 : UCIP_SP_2016_44146_47046.jpg



Landside view: overview- concrete culvert and pipes

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	3.85	Rating **	M	Issue No.	45
LM End	3.85	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.204141 °	39.204141 °
				-121.982698 °	-121.982698 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44167
DS_ID:17314
EP_NO: 9501
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/6/2015 Same as last inspection. Concrete pit on WS berm. Concrete distribution box on LS silted and erosion around the box. Slope failure/ transverse cracks on LS levee slope. Two depressions on WS berm. 7/29/2013 Repairs to LS slope and pipe are in progress. Nothing has been done yet to the WS depressions. 12/30/2013 Repairs to LS and WS slopes have been completed. Not sure if this is an active or abandoned crossing. LS distribution box is still silted in. 6/30/2014 Crossing appears to be being made active again. WS bank has been cleared of all vegetation and debris to allow pump to slide down to water level. New shutoff valve installed on WS shoulder inside of cmp stand pipe. New air-vac installed inside cmp standpipe on LS shoulder and air vent installed on LS toe. Could not locate pipe end on LS. Need to check for permit number for work done.
FIELD_STRUCT_DESC: *ABANDONED* 16-inch diameter steel irrigation pipe with pump house over concrete pit on berm. No control valves visible. Discharges into concrete box at the landside (LS) toe. (Permit No. 9501-1, 2014 - Howard). Permit indicates this pipe replaced an existing (failed) 16-inch pipe. O&M Manual 136, revision May 2011.
FS Date: 4/7/2015 9:17:00 AM

LM Start	3.85	Rating **	M	Issue No.	45 (cont)
LM End	3.85	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44167_71480.jpg



WS river bank

Photo 2 of 2 : UCIP_SP_2016_44167_71479.jpg



WS standpipe with shut off valve inside

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	4.26	Rating **	U	Issue No.	11
LM End	4.26	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.208935 °	39.208935 °
				-121.985310 °	-121.985310 °
DWR ID	DWR_ST0003_01_s _ 2012_11				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0003_264_11_20160316_00006.jpg



View of the trailer next to the W/S toe.

LM Start	4.44	Rating **	M	Issue No.	46
LM End	4.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.210247 °	39.210247 °
				-121.988238 °	-121.988238 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44174 DS_ID:17297 EP_NO: 9501A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/6/2015 Pump disconnected and pulled up to WS toe. Not Sure if leaky valve has ever been fixed.Motor and pump on berm. Appears an abandoned crossing. Leaky valve on LS slope.Pipe removed and laying on berm. No electric connection to the pump.7/29/2013 Not an abandoned crossing. Pump is connected to WS pipe end at water level and is pumping water to LS and then goes underground to an irrigation ditch about 100yds. upstream. Pump and pipes are disconnected and pulled up to WS toe for high water season. Leaky valve on LS shoulder does not appear to have been fixed.12/30/2013 Same as last inspection.6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: *ABANDONED* 10-inch diameter asphalt coated steel irrigation pipe 5 feet below the crown. Siphon breaker on the landside (LS) shoulder. Motor and pump on waterside (WS) berm. (Permit No. 9501A, 1978 - Mayfair Packing). FS Date: 4/7/2015 10:05:32 AM					

Photo 1 of 2 : UCIP_SP_2016_44174_47068.jpg



Crown view: transverse cracks on levee road.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	4.44	Rating **	M	Issue No.	46 (cont)	
LM End	4.44	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.210247 °		39.210247 °
				-121.988238 °		-121.988238 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44174 DS_ID:17297 EP_NO: 9501A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/6/2015 Pump disconnected and pulled up to WS toe. Not Sure if leaky valve has ever been fixed.Motor and pump on berm. Appears an abandoned crossing. Leaky valve on LS slope.Pipe removed and laying on berm. No electric connection to the pump.7/29/2013 Not an abandoned crossing. Pump is connected to WS pipe end at water level and is pumping water to LS and then goes underground to an irrigation ditch about 100yds. upstream. Pump and pipes are disconnected and pulled up to WS toe for high water season. Leaky valve on LS shoulder does not appear to have been fixed.12/30/2013 Same as last inspection.6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: *ABANDONED* 10-inch diameter asphalt coated steel irrigation pipe 5 feet below the crown. Siphon breaker on the landside (LS) shoulder. Motor and pump on waterside (WS) berm. (Permit No. 9501A, 1978 - Mayfair Packing). FS Date: 4/7/2015 10:05:32 AM						

Photo 2 of 2 : UCIP_SP_2016_44174_47067.jpg



Waterside view: overview of pump and abandoned pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	4.44	Rating **	U	Issue No.	18
LM End	4.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.210257 °	39.210257 °
				-121.988250 °	-121.988250 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44175
DS_ID:17326
EP_NO: 9501
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/6/2015 Same as last inspection. Need to be properly abandoned. Transverse cracks on levee road. Also found a concrete outlet on LS. It is not clear whether this passes through the levee. 7/29/2013 Same as last inspection. 12/30/2013 Same as last inspection. 6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: *ABANDONED* 16-inch diameter steel irrigation pipe 13.9 feet below the crown. Gate valve and pump in pump house on berm. Flap gate and concrete distribution box on the landside (LS). (Permit No. 9501 - Mayfair Farms, abandoned under Permit No. 9501-A, 1978 - MayFair Packing). O&M manual 136, revision May 2011.
FS Date: 4/7/2015 10:08:17 AM

LM Start	4.44	Rating **	U	Issue No.	18 (cont)
LM End	4.44	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44175_47080.jpg



Crown view: cracks along pipe alignment (transverse crack)

Photo 2 of 2 : UCIP_SP_2016_44175_47079.jpg



Waterside view: overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	4.44	Rating **	U	Issue No.	19
LM End	4.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.210280 °	39.210280 °
				-121.988284 °	-121.988284 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44176 DS_ID:17484 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/6/2015 Crossing appears to be an old irrigation structure and not a drain pipe. it appears abandoned as WS surge box is full of debris. Debris and deteriorated concrete. Gate valve in surge tank. 7/29/2013 Same as last inspection. 12/30/2013 Same as last inspection. 6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: 24 inch pipe, 26 ft invert below crown, Slide Gate ws. O&M manual 136, revision May 2011. FS Date: 4/7/2015 10:09:37 AM					

LM Start	4.44	Rating **	U	Issue No.	19 (cont)
LM End	4.44	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44176_47087.jpg



Crown view: transverse crack on levee road

Photo 2 of 2 : UCIP_SP_2016_44176_47086.jpg



Waterside view: overview of concrete surge box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	4.64	Rating **	U	Issue No.	20
LM End	4.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.212627 °	39.212627 °
				-121.990413 °	-121.990413 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44177
DS_ID:17318
EP_NO: 10935
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/6/2015 Erosion problem still present near the LS shoulder. If it gets any worse then it may start to affect the road way. Found a siphon breaker on LS. Antenna and pump station on WS. Huge erosion on LS slope. 7/29/2013 Erosion near LS shoulder may start affecting the roadway if it gets any worse. 12/30/2013 Same as last inspection. 6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch diameter steel pipe 4.0 feet below the crown. Slant pump on the waterside (WS) berm. A siphon breaker is installed on the apex of the pipe and off the levee crown on landside (LS). (Permit No. 9501, 1974 - Mayfair Farms, Inc., Permit No. 10935, 1975 - Pires).
FS Date: 4/7/2015 10:22:41 AM

LM Start	4.64	Rating **	U	Issue No.	20 (cont)
LM End	4.64	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44177_47092.jpg



Waterside view: overview

Photo 2 of 2 : UCIP_SP_2016_44177_47091.jpg



Waterside view: overview of pump station

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	4.72	Rating **	U	Issue No.	12
LM End	4.72	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.213265 °	39.213265 °
				-121.991672 °	-121.991672 °
DWR ID	DWR_ST0003_01_s_2012_12				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0003_264_12_20160316_00007.jpg



View of the barn on the large crown of the levee.

LM Start	5.03	Rating **	M	Issue No.	21
LM End	5.03	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.214949 °	39.214949 °
				-121.996980 °	-121.996980 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44179 DS_ID:17287 EP_NO: 9520 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 4/6/2015 Same as last inspection. Still appears abandoned.A concrete stand pipe and a CMP riser on WS. It seems abandoned and if so should be done so properly.7/29/2013 Same as last inspection.12/30/2013 Same as last inspection.6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee 17.0 feet below the crown. Slide gate in CMP riser on the waterward slope. Pump on bank. Concrete standpipe on waterward berm. 18-inch concrete pipe from waterward toe to standpipe. Discharges into field on landward side. (ABO No. 9520 - Arnold). O&M manual 136, revision May 2011. FS Date: 4/7/2015 10:30:26 AM					

Photo 1 of 2 : UCIP_SP_2016_44179_47107.jpg



Waterside view: overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	5.03	Rating **	M	Issue No.	21 (cont)	
LM End	5.03	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.214949 °	39.214949 °	
				-121.996980 °	-121.996980 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44179						
DS_ID:17287						
EP_NO: 9520						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 4/6/2015 Same as last inspection. Still appears abandoned.A concrete stand pipe and a CMP riser on WS. It seems abandoned and if so should be done so properly.7/29/2013 Same as last inspection.12/30/2013 Same as last inspection.6/30/2014 Same as last inspection.						
FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee 17.0 feet below the crown. Slide gate in CMP riser on the waterward slope. Pump on bank. Concrete standpipe on waterward berm. 18-inch concrete pipe from waterward toe to standpipe. Discharges into field on landward side. (ABO No. 9520 - Arnold). O&M manual 136, revision May 2011.						
FS Date: 4/7/2015 10:30:26 AM						

Photo 2 of 2 : UCIP_SP_2016_44179_47106.jpg



Waterside view: CMP riser with slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	5.04	Rating **	U	Issue No.	22
LM End	5.04	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.214970 °	39.214970 °
				-121.997177 °	-121.997177 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44182
DS_ID:17289
EP_NO: 2904
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/6/2015 Repairs are in progress to this crossing. Surge box on WS and distribution box across the county road on LS. Abandoned pump station and electrical panel on WS. A concrete pump pit on WS. 7/29/2013 Portable tow-pump lowered down WS berm to water level and is pumping water into concrete surge box on WS and the filling the irrigation ditch on LS. Sink hole with standing water that is present above the outlet pipe for the WS surge box. This may indicate a leaking pipe or cracked concrete. 12/30/2013 Sink Hole above pipe on WS still present. Pipe end inside of WS surge box shows heavy signs of rust and corrosion. Recommend having an internal camera inspection completed on pipe. 6/30/2014 Sink hole near WS surge box is still present. Portable pumps were lowered down the WS bank and were pumping water directly into WS standpipe on to by pass the surge box. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee 18.4 feet below the crown. Slide gate in corrugate metal pipe riser on waterward shoulder, pump and concrete pump pit on the waterward bank. Concrete surge box on the waterward berm. Discharges into irrigation ditch on the opposite side of the county road. (App. No. 2904 - Arnold). Application was for an existing pumping system. O&M manual 136, revision May 2011.
FS Date: 4/7/2015 10:37:03 AM

LM Start	5.04	Rating **	U	Issue No.	22 (cont)
LM End	5.04	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_SP_2016_44182_47115.jpg



Waterside view: overview

Photo 2 of 2 : UCIP_SP_2016_44182_47113.jpg



Waterside view: CMP riser and surge box

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	5.15	Rating **	M	Issue No.	23
LM End	5.15	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.215409 °	39.215409 °
				-121.999061 °	-121.999061 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44187 DS_ID:17291 EP_NO: 4091 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/6/2015 Same as last inspection. Crossing appears abandoned. Appears abandoned and if so should be done so properly. No Siphon breaker found on LS. 7/29/2013 Same as last inspection. 12/30/2013 Same as last inspection. 6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 8-inch steel pipe through the levee 4.0 feet below the crown. Pump on bank. Gate valve in concrete pipe riser on waterward shoulder. (App. No. 4091 - Halsey). FS Date: 4/7/2015 10:50:39 AM					

LM Start	5.15	Rating **	M	Issue No.	23 (cont)
LM End	5.15	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_SP_2016_44187_47127.jpg



Waterside view: concrete pipe riser with gate valve

Photo 2 of 2 : UCIP_SP_2016_44187_47126.jpg



Waterside view: buried gate valve in concrete pipe riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	5.43	Rating **	U	Issue No.	27
LM End	5.43	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.217099 °	39.217099 °
				-122.003778 °	-122.003778 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44207
DS_ID:17293
EP_NO: 9514
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/1/2015 PVC pipe still runs through crossing. WS end has been covered and blocked with sandbags to prevent water flow during high water season.- Water transfer ditch and CMP riser on WS7/23/13 8inch pvc running through pipe preventing slide gate from closing. No positive pipe closure for high water season. Stem on WS screw gate is bent.12/18/2013 Same as last inspection. Levee inspections is working with land owner to solve this issue.6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, slide gate in corrugated metal pipe riser. Concrete headwall on waterward berm, pump on riverbank. Discharges in field at landward toe. Irrigation ditch across waterward berm to headwall. (ABO No. 9514 - Boggs). Pipe invert 11.0 ft below crown. O&M manual 136, revision May 2011.
FS Date: 4/7/2015 12:40:09 PM

LM Start	5.43	Rating **	U	Issue No.	27 (cont)
LM End	5.43	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_SP_2016_44207_47136.jpg



Waterside view: CMP riser with slide gate

Photo 2 of 2 : UCIP_SP_2016_44207_47135.jpg



Waterside view: inside CMP riser

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	6.08	Rating **	U	Issue No.	28
LM End	6.08	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.220701 °	39.220701 °
				-122.002538 °	-122.002538 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44208
DS_ID:17294
EP_NO: 9514
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/1/2015 PVC pipe still runs through crossing. WS end has been covered and blocked with sandbags to prevent water flow during high water season. 36-inch CMP found instead of 30-inch CMP. LS pipe tampered. 7/23/2013 8inch PVC pipe ran through 36inch CMP preventing screw gate from closing for high water season. 12/18/2013 Same as last inspection. Levee inspections is working with land owner to solve the issue. 6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee 12.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. (ABO No. 9514 - Boggs). O&M manual 136, revision May 2011.
FS Date: 4/7/2015 12:47:32 PM

LM Start	6.08	Rating **	U	Issue No.	28 (cont)
LM End	6.08	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_SP_2016_44208_47149.jpg



Waterside view: overview

Photo 2 of 2 : UCIP_SP_2016_44208_47147.jpg



Waterside view: CMP riser with slide gate

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	6.40	Rating **	M	Issue No.	29
LM End	6.40	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.223796 °	39.223796 °
				-121.999014 °	-121.999014 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44209 DS_ID:17306 EP_NO: 9530 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/1/2015 WS pipe end 3/4 blocked by soil. LS end is still unknown.Pipe outlet on WS partially burried, it needs cleaning.7/23/2013 Same as last inspection12/18/2013 Same as last inspection.6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainpipe through the levee 15.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. (ABO No. 9530 - Halsey). FS Date: 4/7/2015 12:52:21 PM					

LM Start	6.40	Rating **	M	Issue No.	29 (cont)
LM End	6.40	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_SP_2016_44209_47158.jpg



Waterside view: CMP riser with slide gate

Photo 2 of 2 : UCIP_SP_2016_44209_47156.jpg



Waterside view: inside CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	6.64	Rating **	M	Issue No.	30
LM End	6.64	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.226991 °	39.226991 °
				-121.999907 °	-121.999907 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44211 DS_ID:17296 EP_NO: 9530 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/1/2015 Only cmp riser with screwgate found on WS. Screwgate stem is bent.Appears abandoned and should be verified as having been done so properly. Only CMP riser with slide gate found on WS7/23/2013 Same as last inspection12/18/2013 Same as last inspection.6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainpipe through the levee 13.5 feet below the crown. Slide gate in corrugated metal pipe riser on waterward slope. (ABO No. 9530 - Halsey). O&M manual 136, revision May 2011. FS Date: 4/7/2015 12:58:28 PM					

LM Start	6.64	Rating **	M	Issue No.	30 (cont)
LM End	6.64	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_SP_2016_44211_47181.jpg



Waterside view: CMP riser with slide gate

Photo 2 of 2 : UCIP_SP_2016_44211_47180.jpg



Waterside view: inside CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	6.78	Rating **	U	Issue No.	14
LM End	6.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.228535 °	39.228535 °
				-121.998330 °	-121.998330 °
DWR ID	DWR_ST0003_01_s_2015_14				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The erosion along the waterside slope needs to be repaired.					

No Photos

LM Start	6.92	Rating **	M	Issue No.	31
LM End	6.92	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.229670 °	39.229670 °
				-121.996313 °	-121.996313 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44216 DS_ID:17298 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 4/1/2015 Unable to locate.Need to determine status of crossing.7/23/2013 Same as last inspection. Unable to locate.12/18/2013 Unable to locate.6/30/2014 Unable to locate. FIELD_STRUCT_DESC: 2-1/2 inch gas line pipes through the levee 1.0 foot below the crown, from gas storage tanks on landward side. FS Date: 4/7/2015 1:05:18 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	7.58	Rating **	M	Issue No.	32
LM End	7.58	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.238153 °	39.238153 °
				-121.995024 °	-121.995024 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44224
DS_ID:17300
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/1/2015 Only cmp riser and slide gate found on WS. Abandoned riser with slide gate on WS. Abandoned concrete surge box on WS. Verify pipe has been abandoned properly.

7/23/2013 Same as last inspection. 12/18/2013 Same as last inspection. 6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: Abandoned 24-inch corrugated metal drainpipe through the levee 14.5 feet below the crown. Slide gate in concrete surge box on berm. Slide gate in corrugated metal pipe riser and pump on the waterward slope. O&M manual 136, revision May 2011.
FS Date: 4/7/2015 1:11:51 PM

LM Start	7.58	Rating **	M	Issue No.	32 (cont)
LM End	7.58	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44224_47189.jpg



Waterside view: overview

Photo 2 of 2 : UCIP_SP_2016_44224_47188.jpg



Waterside view: CMP riser with slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	7.72	Rating **	M	Issue No.	33
LM End	7.72	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.239458 °	39.239458 °
				-121.993398 °	-121.993398 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44226 DS_ID:17301 EP_NO: 9532 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/1/2015 Silted concrete box on WS. Depression/erosion around concrete box on WS.Silted concrete box on WS. Depression/erosion around concrete box on WS.7/23/2013 Same as last inspection.12/18/2013 Same as last inspection.6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: 3-foot by 4-foot concrete box culvert drain through the levee 11.6 feet below the crown. Slide gate in concrete box on the waterward slope. (ABO No. 9532 - Martin). O&M manual 136, revision May 2011. FS Date: 4/7/2015 1:20:42 PM					

No Photos

LM Start	8.32	Rating **	M	Issue No.	34
LM End	8.32	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.246317 °	39.246317 °
				-121.998825 °	-121.998825 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44229 DS_ID:17304 EP_NO: 9529 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/1/2015 CMP riser and slidegate on WS. LS distribution box is silted in.Looks abandoned. CMP riser with slide gate on WS. Concrete distribution box on LS- full with silt.7/23/2013 Same as last inspection.12/18/2013 Same as last inspection.6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, slide gate CMP riser on the waterward slope. Concrete box at the landward toe. Pipe invert 12.8 ft below crown. (ABO No. 9529 - Dorwood Ranch)O&M manual 136, revision May 2011. FS Date: 4/7/2015 1:30:35 PM					

Photo 1 of 2 : UCIP_SP_2016_44229_47202.jpg



Crown view: overview (both sides of the levee)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	8.32	Rating **	M	Issue No.	34 (cont)	
LM End	8.32	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.246317 °		39.246317 °
				-121.998825 °		-121.998825 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44229						
DS_ID:17304						
EP_NO: 9529						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 4/1/2015 CMP riser and slidegate on WS. LS distribution box is silted in.Looks abandoned. CMP riser with slide gate on WS. Concrete distribution box on LS- full with silt.7/23/2013 Same as last inspection. 12/18/2013 Same as last inspection.6/30/2014 Same as last inspection.						
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, slide gate CMP riser on the waterward slope. Concrete box at the landward toe. Pipe invert 12.8 ft below crown. (ABO No. 9529 - Dorwood Ranch)O&M manual 136, revision May 2011.						
FS Date: 4/7/2015 1:30:35 PM						

Photo 2 of 2 : UCIP_SP_2016_44229_47201.jpg



Waterside view: overview of CMP riser

LM Start	8.52	Rating **	U	Issue No.	41
LM End	8.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.249125 °	39.249125 °
				-121.999031 °	-121.999031 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44243 DS_ID:17295 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/1/2015 Both WS and LS pipe ends have been dug up in preparation for an internal camera inspection. Pipe shows signs of heavy rust and both ends of pipe are plugged with soil.Only a CMP riser with slide gate found on WS.7/23/2013 Same as last inspection.12/18/2013 Same as last inspection.6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 24-inch irrigation and drain pipe through the levee. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe invert 11.50 ft below the crown. O&M manual 136, revision May 2011. FS Date: 4/7/2015 2:01:56 PM					

Photo 1 of 2 : UCIP_SP_2016_44243_47208.jpg



Waterside view: overview of CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	8.52	Rating **	U	Issue No.	41 (cont)	
LM End	8.52	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.249125 °	39.249125 °	
				-121.999031 °	-121.999031 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44243 DS_ID:17295 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 4/1/2015 Both WS and LS pipe ends have been dug up in preparation for an internal camera inspection. Pipe shows signs of heavy rust and both ends of pipe are plugged with soil.Only a CMP riser with slide gate found on WS.7/23/2013 Same as last inspection.12/18/2013 Same as last inspection.6/30/2014 Same as last inspection. FIELD_STRUCT_DESC: Abandoned 24-inch irrigation and drain pipe through the levee. Slide gate in corrugated metal pipe riser on the waterward slope. Pipe invert 11.50 ft below the crown. O&M manual 136, revision May 2011. FS Date: 4/7/2015 2:01:56 PM						

Photo 2 of 2 : UCIP_SP_2016_44243_47207.jpg



Landside view: overview (no pipes)

LM Start	8.56	Rating **	M	Issue No.	48
LM End	8.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.249678 °	39.249678 °
				-121.999021 °	-121.999021 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47702 DS_ID:17327 EP_NO: 9528 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/1/2015 Both ends of pipe have been dug up in preparation for internal camera inspections. Pipe shows some rust but appears to be in decent shape.Only buried slide gate structure found.7/23/2013 Same as last inspection.12/18/2013 Same as last inspection.6/30/2014 Same as last inspection.4/14/2016 Same as last inspection. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainpipe through the levee 12.5 feet below the crown. Slide gate on waterside (WS). O&M manual 136, revision May 2011. FS Date: 4/7/2015 2:21:00 PM					

Photo 1 of 2 : UCIP_SP_2016_47702_47210.jpg



Waterside view: overview

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	8.56	Rating **	M	Issue No.	48 (cont)	
LM End	8.56	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.249678 °	39.249678 °	
				-121.999021 °	-121.999021 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47702 DS_ID:17327 EP_NO: 9528 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/1/2015 Both ends of pipe have been dug up in preparation for internal camera inspections. Pipe shows some rust but appears to be in decent shape.Only buried slide gate structure found.7/23/2013 Same as last inspection.12/18/2013 Same as last inspection.6/30/2014 Same as last inspection.4/14/2016 Same as last inspection. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainpipe through the levee 12.5 feet below the crown. Slide gate on waterside (WS). O&M manual 136, revision May 2011. FS Date: 4/7/2015 2:21:00 PM						

Photo 2 of 2 : UCIP_SP_2016_47702_47209.jpg



Waterside view: buried slide gate

LM Start	8.70	Rating **	M	Issue No.	49
LM End	8.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.251504 °	39.251504 °
				-121.997879 °	-121.997879 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47707 DS_ID:17352 EP_NO: 9523 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 8/28/2015 Pipe has been dug up and located along the WS levee toe. 7/23/2013 Same as last inspection. Unable to locate.12/18/2013 Unable to locate6/30/2014 Unable to locate.4/14/2016 Appears abandoned and if so, should be done so properly. Borrowing activity on landside (LS). FIELD_STRUCT_DESC: 10-inch concrete encased steel pipe through the levee, invert 15 ft below crown, not found. Gate valve found in 42-inch corrugated metal pipe riser on the waterside (WS) slope. (Permit No. 9523, 1974 - Blackmoor O&M manual 136, revision May 2011. FS Date: 4/14/2016 12:59:00 PM					

Photo 1 of 2 : UCIP_SP_2016_47707_74662.jpg



View of LS

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	8.70	Rating **	M	Issue No.	49 (cont)
LM End	8.70	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.251504 °	39.251504 °
				-121.997879 °	-121.997879 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47707 DS_ID:17352 EP_NO: 9523 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 8/28/2015 Pipe has been dug up and located along the WS levee toe. 7/23/2013 Same as last inspection. Unable to locate.12/18/2013 Unable to locate6/30/2014 Unable to locate.4/14/2016 Appears abandoned and if so, should be done so properly. Borrowing activity on landside (LS). FIELD_STRUCT_DESC: 10-inch concrete encased steel pipe through the levee, invert 15 ft below crown, not found. Gate valve found in 42-inch corrugated metal pipe riser on the waterside (WS) slope. (Permit No. 9523, 1974 - Blackmore O&M manual 136, revision May 2011. FS Date: 4/14/2016 12:59:00 PM					

Photo 2 of 2 : UCIP_SP_2016_47707_74661.jpg



42-inch riser on WS shoulder.

LM Start	8.75	Rating **	U	Issue No.	50
LM End	8.75	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.252121 °	39.252121 °
				-121.997740 °	-121.997740 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47708 DS_ID:17353 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 8/28/2015 Pipe was dug up and located on the WS levee toe.7/23/2013 Same as last inspection.12/18/2013 Same as last inspection.6/30/2014 Same as last inspection.4/14/2016 Signs of corrosion on pipe and valve on LS. Pipe in use according to Bryan Reniff of Sutter Yard. FIELD_STRUCT_DESC: 4-inch steel pipe sleeved through 24-inch corrugated metal pipe 16.7 feet below the crown. Annular space has been pressure grouted. Slide gate on the waterside (WS) end. Gate valve at the landside (LS) toe. (Permit No. 4491, 1964 - Blackmore). O&M manual 136, revision May 2011. FS Date: 4/14/2016 1:59:00 PM					

Photo 1 of 2 : UCIP_SP_2016_47708_47216.jpg



Waterside view: overview of slide gate on steel structure

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	8.75	Rating **	U	Issue No.	50 (cont)	
LM End	8.75	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.252121 °		39.252121 °
				-121.997740 °		-121.997740 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47708						
DS_ID:17353						
EP_NO: N/A						
Repair Type: Urgent						
Crossing Status: Found						
UCIP Comments: 8/28/2015 Pipe was dug up and located on the WS						
levee toe.7/23/2013 Same as last inspection.12/18/2013 Same as						
last inspection.6/30/2014 Same as last inspection.4/14/2016 Signs						
of corrosion on pipe and valve on LS. Pipe in use according to Bryan						
Reniff of Sutter Yard.						
FIELD_STRUCT_DESC: 4-inch steel pipe sleeved through 24-inch						
corrugated metal pipe 16.7 feet below the crown. Annular space has						
been pressure grouted. Slide gate on the waterside (WS) end. Gate						
valve at the landside (LS) toe. (Permit No. 4491, 1964 - Blackmore).						
O&M manual 136, revision May 2011.						
FS Date: 4/14/2016 1:59:00 PM						

Photo 2 of 2 : UCIP_SP_2016_47708_47215.jpg



Waterside view: slide gate on steel structure

LM Start	8.75	Rating **	U	Issue No.	2
LM End	8.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.252260 °	39.252260 °
				-121.997721 °	-121.997721 °
DWR ID	DWR_ST0003_01_s_2012_2				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0003_264_2_20160316_00002.jpg



View of the building next to the toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	10.27	Rating **	M	Issue No.	4
LM End	10.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.270431 °	39.270431 °
				-121.999782 °	-121.999782 °
DWR ID	DWR_ST0003_01_s_2012_4				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0003_264_4_20160316_00003.jpg



View of the house and dog kennel at the landside toe.

LM Start	10.36	Rating **	M	Issue No.	5
LM End	10.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.270503 °	39.270503 °
				-122.001339 °	-122.001339 °
DWR ID	DWR_ST0003_01_s _ 2012_5				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
The Elderberry is partially blocking visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	10.51	Rating **	M	Issue No.	15
LM End	10.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.271928 °	39.271928 °
				-122.003422 °	-122.003422 °
DWR ID					

Comment Code

[illegible]

Inspector Comment	
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FS_ID:44447
DS_ID:17371
EP_NO: 9517
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/2/2015 Same as last inspection. Need to verify type of abandonment. Pump house not found on waterside of the levee. Looks abandoned as switch panel found without pump. 7/23/2013 Same as last inspection. 12/18/2013 Same as last inspection. 6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: 18-inch steel pipe through the levee, 17.1 feet below the crown. Gate valve and flap gate in concrete distribution box. Water meter in corrugated metal pipe riser at the landward toe and gate valve in corrugated metal pipe on waterside. Pipe was replaced in November 2005. (ABO No. 9517 - Griffin). O&M manual 136, revision May 2011.
FS Date: 4/15/2015 2:11:19 PM

LM Start	10.51	Rating **	M	Issue No.	15 (cont)
LM End	10.51	Issue Type +	En	Location *	LS

A photograph of a river scene. In the foreground, a small, light-colored boat is on a muddy and grassy shore. A wooden post stands near the water's edge. The river is calm, reflecting the overcast sky. The far bank is lined with trees, some with autumn foliage. A date stamp in the bottom right corner reads "12/11/2012 12:56".

12/11/2012 12:56

Waterside view: CMP riser with gate valve

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	10.69	Rating **	M	Issue No.	17
LM End	10.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.274090 °	39.274090 °
				-122.005263 °	-122.005263 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44449
DS_ID:17350
EP_NO: 1369
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/2/2015 Same as last inspection. Looks abandoned and if so should be done so properly. Pump and switch panel not found. Outlet pipe blocked by silt and debris. 7/23/2013 Same as last inspection. 12/18/2013 Same as last inspection. 6/30/2014 Same as last inspection.
FIELD_STRUCT_DESC: 24-inch steel pipe through the levee, 4.0 feet below the crown. Siphon breaker on the landward slope. Concrete distribution box at the landward toe. (App. No. 1369 - Griffin).
Application approval date: 02/16/1949. O&M manual 136, revision May 2011.
FS Date: 4/15/2015 2:49:44 PM

LM Start	10.69	Rating **	M	Issue No.	17 (cont)
LM End	10.69	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_44449_47284.jpg



Crown view: overview (both sides of the levee)

Photo 2 of 2 : UCIP_SP_2016_44449_47283.jpg



Waterside view: overview of exposed steel pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	11.53	Rating **	M	Issue No.	8
LM End	11.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.279910 °	39.283853 °
				-122.018221 °	-122.016113 °
DWR ID	DWR_ST0003_01_s_2016_8				
Comment Code					
Inspector Comment					
2008 - Large rotational/mass failure in the bank with tree slump. 2009 - Minimal new erosion, the tree is leaning further into the river. 2011 - Site extended downstream. 2012 - Minor new erosion and tree roots are further exposed. 2015: Last observed in 2013. [2015 Site ID: SAC_152-6_L]					

Photo 1 of 1 : SP_2016_ST0003_264_8_20160316_00004.jpg



USACE 2013 Photo #1

LM Start	11.67	Rating **	M	Issue No.	6
LM End	11.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.282064 °	39.285084 °
				-122.016517 °	-122.014815 °
DWR ID	DWR_ST0003_01_s_2012_6				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	11.85	Rating **	M	Issue No.	1
LM End	11.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.331447 °	39.332716 °
				-122.029440 °	-122.029953 °
DWR ID	DWR_ST0003_01_s_2016_1				
Comment Code					
Inspector Comment					
2004 - Slowly eroding but near vertical with no vegetation to hold it. 2005 - Erosion is close to levee toe but not into the levee section yet. 2010 - Some new toe scour. 2015: Last observed in 2013. [2015 Site ID: SAC_157-7_R]					

Photo 1 of 1 : SP_2016_ST0003_264_1_20160316_00001.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	11.85	Rating **	M	Issue No.	13
LM End	11.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.284568 °	39.285298 °
				-122.015690 °	-122.015208 °
DWR ID	DWR_ST0003_01_s_2016_13				
Comment Code					
Inspector Comment					
2006 - Large rotational/mass failure in the bank with tree slump. Tough clayey toe material. 2007 - Site is between stone revetments with a pump station at the downstream end. 2010 - Erosion is into the levee toe. 2011 - Minor new erosion. 2012 - Minor new erosion. 2015: Last observed in 2013. [2015 Site ID: SAC_152-8_L]					

Photo 1 of 1 : SP_2016_ST0003_264_13_20160316_00008.jpg



USACE 2013 Photo #1

LM Start	11.94	Rating **	M	Issue No.	7
LM End	12.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.285658 °	39.288978 °
				-122.014574 °	-122.013892 °
DWR ID	DWR_ST0003_01_s_2012_7				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	12.06	Rating **	M	Issue No.	16
LM End	12.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.287251 °	39.287251 °
				-122.014076 °	-122.014076 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44465
DS_ID:17365
EP_NO: 9514
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/2/2015 Everything looked to be in good condition. Concrete surge tank still has some silting. Gate valve in CMP riser not visible. Flap gate in concrete distribution box on LS not visible/accessible. Looks cleaning required inside concrete surge tank on WS due to silting. 7/29/2013 Pump running and WS surge tank was full of water so not sure if silt was cleaned out. LS flap gate was visible and is in good condition. 12/30/2013 Same as last inspection. 7/2/2014 Same as last inspection.
FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 18.1 feet below the crown, pump house on the waterward slope. Gate valve in corrugated metal riser at waterward toe. Flap gate in concrete distribution box at the landward toe. (ABO No. 9514 - Boggs). O&M manual 136, revision May 2011.
FS Date: 4/16/2015 10:27:33 AM

LM Start	12.06	Rating **	M	Issue No.	16 (cont)
LM End	12.06	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_44465_47306.jpg



Waterside view: overview pipe, pump, surge box & CMP riser

Photo 2 of 2 : UCIP_SP_2016_44465_47305.jpg



Waterside view: steel pipe, pump, surge box & CMP riser

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	12.43	Rating **	U	Issue No.	51
LM End	12.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.292608 °	39.292608 °
				-122.013483 °	-122.013483 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47711
DS_ID:17366
EP_NO: 9513
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/14/2016 2.5-inch pipe still preventing slide gate from fully closing on WS. Recommend LMA contact owner to address removal of unauthorized 2.5-inch pipe. Owner must either contact CVFPB for permitting of 2.5-inch pipe or remove it. 4/2/2015 2.5in pipe is still present and prevents the slide gate from fully closing. A 2.5 inch GI pipe through 36 inch CMP found. A 2 inch electrical conduit also found. 7/29/2013 2.5in. GI pipe and chain in WS surge box will prevent slide gate from closing fully for high water season. 12/30/2013 Same as last inspection. 7/2/2014 2.5in. GI pipe and chain in WS surge box will prevent slide gate from closing fully for high water season. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, invert 16.5 ft below crown. Slide gate in concrete surge box on waterside (WS) berm. 2.5-inch pipe through 24-inch pipe, preventing closing of slide gate on WS. Slant pump on riverbank. Concrete distribution box at the landside (LS) toe. 2-inch electrical conduit through levee visible on WS adjacent to walkway. (Permit No. 9513, 1974 - Boggs). O&M manual 136, revision May 2011.
FS Date: 4/14/2016 10:32:00 AM

LM Start	12.43	Rating **	U	Issue No.	51 (cont)
LM End	12.43	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47711_47313.jpg



Waterside view: overview of slanted pump and shed

Photo 2 of 2 : UCIP_SP_2016_47711_47312.jpg



Waterside view: pump station and walkway

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	12.56	Rating **	M	Issue No.	47
LM End	12.56	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.294449 °	39.294449 °
				-122.013871 °	-122.013871 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47770
DS_ID:17367
EP_NO: 2971
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/14/2016 Deep sink hole above surge box on WS, possibly caused by burrowing, possibly creating conduit for seepage into surge box, which may explain presence of water in box. Recommend pipe be video inspected. Recommend taking another photo in summer to observe possible sediment buildup in box. 4/2/2015 Pipe has as small leak during times of high water. Not sure of the cause.- Pumps taken out from the pipe (may be for repairs). Only control board found.- LS wing wall minor damage. 7/23/2013 Pump motors attached to pipes and running. Think pumps were disconnected during last inspection to keep motors above water for high water season. 12/19/2013 Same as last inspection. 7/2/2014 Same as last inspection.
FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 20 feet below the crown. Concrete headwall on landside (LS) with meter. Slide gate at the waterside (WS) end. Two slant pumps on WS bank discharging into concrete distribution box at the WS toe. Switch panel on WS. (Permit No. 2971, 1961 - Terhel). O&M manual 136, revision May 2011.
FS Date: 4/14/2016 10:43:00 AM

LM Start	12.56	Rating **	M	Issue No.	47 (cont)
LM End	12.56	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47770_47323.jpg



Waterside view: overview

Photo 2 of 2 : UCIP_SP_2016_47770_47322.jpg



Waterside view: concrete surge box

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	12.96	Rating **	U	Issue No.	56
LM End	12.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.300140 °	39.300140 °
				-122.013599 °	-122.013599 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47906
DS_ID:17369
EP_NO: 9510
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 4/14/2016 Heavy scour still present around surge box on WS exposing pipe. Levee caved in and severely damaged around surge box. Erosion around CMP riser on WS cited previously not found. 4/2/2015 Pipe leaks during high water. It is suspected that the screw gate does not fully close and may need to be cleaned to allow it to close fully. Soil erosion around CMP riser and surge concrete box on WS damaged due to overflow. Pump not found. Flap gate missing on WS concrete box. WS slope eroded. Structure might have been used as drainage structure. This needs to be determined during routine inspection. 7/23/2013 Water was flowing from the WS to LS ditch. Not sure where water flow was originating. All erosion problems are still present. 12/19/2013 Same as last inspection. 7/2/2014 Same as last inspection.
FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 18.0 feet below the crown. Slide gate in 48-inch corrugated metal riser on the waterside (WS) slope. Concrete box on the WS. Pump mounted on WS bank, not found. (Permit No. 9510, 1974 - Forry). O&M manual 136, revision May 2011.
FS Date: 4/14/2016 12:06:00 PM

LM Start	12.96	Rating **	U	Issue No.	56 (cont)
LM End	12.96	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47906_47336.jpg



Waterside view: CMP riser on levee slope.

Photo 2 of 2 : UCIP_SP_2016_47906_47334.jpg



Waterside view: overview of concrete surge box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	13.38	Rating **	M	Issue No.	52
LM End	13.38	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.306065 °	39.306065 °
				-122.013112 °	-122.013112 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47999
DS_ID:17340
EP_NO: 9511
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 4/16/2016 A wooden board has been placed on WS outlet of pipe to prevent sediment from entering pipe. This is a temporary fix by Sutter Yard until pipe can be grouted. Sutter Yard should contact owner to ensure pipe's proper abandonment. Blockage of pipe outlet by wooden board or sediment will pose a hazard during high water. 4/2/2015 Pipe has been selected for internal camera inspection. Outlet pipe silted on WS. Inlet structure damaged on LS. Not properly abandoned. 7/23/2013 Same as last inspection. 12/19/2013 Same as last inspection. 7/2/2014 Same as last inspection.
FIELD_STRUCT_DESC: *ABANDONED* 48-inch corrugated metal drainpipe through the levee, 16.5 feet below the crown. Slide gate in 60-inch corrugated metal pipe riser on the waterside (WS) slope. Landside (LS) end of pipe on east side of River Road. (Permit No. 9511, 1974 - Moresco). O&M manual 136, revision May 2011.
FS Date: 4/14/2016 12:13:00 PM

LM Start	13.38	Rating **	M	Issue No.	52 (cont)
LM End	13.38	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_47999_47343.jpg



Waterside view: CMP riser with slide gate

Photo 2 of 2 : UCIP_SP_2016_47999_47342.jpg



Waterside view: overview of CMP riser and outlet pipe

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	13.47	Rating **	M	Issue No.	9
LM End	13.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.307448 °	39.310231 °
				-122.013037 °	-122.012912 °
DWR ID	DWR_ST0003_01_s_2012_9				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0003_264_9_20160316_00005.jpg



View of the erosion along the W/S toe.

LM Start	14.56	Rating **	M	Issue No.	53
LM End	14.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.322279 °	39.322279 °
				-122.015972 °	-122.015972 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:48078 DS_ID:17331 EP_NO: 1833 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/14/2016 Levee slightly caved in one side of surge box on WS4/2/2015 Leaks during high water. Distribution box plugged with cement concrete on LS. Other concrete box plugged with concrete on WS. New steel pipe (about 16 inch diameter) sleeved through CMP pipe. It is visible inside CMP riser.7/2/2014 Same as last inspection.12/19/2013 Same as last inspection.7/23/2013 Same as last inspection. FIELD_STRUCT_DESC: 42-inch corrugated metal pipe (CMP) through the levee, 14.2 feet below the crown. A smaller, approximately 16-inch pipe has been sleeved through the 42-inch CMP, with annular space pressure grouted. Pump structure on the waterside (WS) bank, not found. Concrete surge box at the WS toe. Slide gate in CMP riser on the WS slope. Concrete distribution box on the landside (LS) across River Road. (Permit No. 1833, 1953 - Carter). O&M manual 136, revision May 2011. FS Date: 4/14/2016 12:24:00 PM					

Photo 1 of 2 : UCIP_SP_2016_48078_47363.jpg



Waterside view: CMP riser with slide gate and surge box

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	14.56	Rating **	M	Issue No.	53 (cont)	
LM End	14.56	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.322279 °		39.322279 °
				-122.015972 °		-122.015972 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48078 DS_ID:17331 EP_NO: 1833 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/14/2016 Levee slightly caved in one side of surge box on WS4/2/2015 Leaks during high water. Distribution box plugged with cement concrete on LS. Other concrete box plugged with concrete on WS. New steel pipe (about 16 inch diameter) sleeved through CMP pipe. It is visible inside CMP riser.7/2/2014 Same as last inspection.12/19/2013 Same as last inspection.7/23/2013 Same as last inspection. FIELD_STRUCT_DESC: 42-inch corrugated metal pipe (CMP) through the levee, 14.2 feet below the crown. A smaller, approximately 16-inch pipe has been sleeved through the 42-inch CMP, with annular space pressure grouted. Pump structure on the waterside (WS) bank, not found. Concrete surge box at the WS toe. Slide gate in CMP riser on the WS slope. Concrete distribution box on the landside (LS) across River Road. (Permit No. 1833, 1953 - Carter). O&M manual 136, revision May 2011. FS Date: 4/14/2016 12:24:00 PM						

Photo 2 of 2 : UCIP_SP_2016_48078_47362.jpg



Waterside view: new steel pipe sleeved through CMP pipe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	15.81	Rating **	M	Issue No.	24
LM End	15.81	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.338029 °	39.338029 °
				-122.022711 °	-122.022711 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44481 DS_ID:17334 EP_NO: 2599 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 4/2/2015 Unable to locate.Need to contact owner to determine status and location of this crossing. 7/23/2013 Same as last inspection. Unable to locate.12/19/2013 Unable to locate.7/2/2014 Unable to locate. FIELD_STRUCT_DESC: 2-3/8 inch unwrapped steel high pressure gas line through the levee, 2.6 feet below the crown. (App. No. 2599 - PG&E). FS Date: 4/16/2015 12:50:51 PM					

No Photos

LM Start	16.12	Rating **	M	Issue No.	25
LM End	16.12	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.341653 °	39.341653 °
				-122.023908 °	-122.023908 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44482					
DS_ID:17335					
EP_NO: 2651					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 4/2/2015 Unable to locate.Need to contact owner					
to determine status and location of this crossing. 7/23/2013 Same as					
last inspection. Unable to locate.12/19/2013 Unable to					
locate7/2/2014 Unable to locate.					
FIELD_STRUCT_DESC: 2-3/8 inch unwrapped steel gas line through					
the levee, 2.6 feet below the crown. Waterward bank rock revetted,					
1957. (Permit No. 2651 - PG&E).					
FS Date: 4/16/2015 12:51:54 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	16.21	Rating **	M	Issue No.	26
LM End	16.21	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.342905 °	39.342905 °
				-122.024215 °	-122.024215 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44483 DS_ID:17336 EP_NO: 2651 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 4/2/2015 Unable to locate.Need to contact owner to determine status and location of crossing. 7/23/2013 Same as last inspection. Unable to locate.12/19/2013 Unable to locate7/2/2014 Unable to locate. FIELD_STRUCT_DESC: 2-3/8 inch unwrapped steel gas line through the levee, 2.5 feet below the crown. (Permit No. 2651 - PG&E). FS Date: 4/16/2015 12:54:54 PM					

No Photos

LM Start	16.43	Rating **	M	Issue No.	54
LM End	16.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.345635 °	39.345635 °
				-122.022915 °	-122.022915 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:48101 DS_ID:17349 EP_NO: 9500 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 4/16/2016 Same as last inspection. Appears abandoned and should be done so properly.4/2/2015 WS slide gate and LS distribution box are still silted over.Seems abandoned as slide gate and distribution box silted.7/2/2014 Same as last inspection.7/23/2013 Same as last inspection.12/19/2013 Same as last inspection. FIELD_STRUCT_DESC: *ABANDONED* 48-inch corrugated metal irrigation and drain pipe through the levee, 17.0 feet below the crown. Slide gate on the waterside (WS). 8-inch steel pipe sleeved through the 48-inch pipe during the summer months. Discharges into concrete distribution box at the landside (LS) toe. (Permit No. 9500, 1974 - Zumwalt). O&M manual 136, revision May 2011. FS Date: 4/14/2016 1:06:00 PM					

Photo 1 of 2 : UCIP_SP_2016_48101_47380.jpg



Waterside view: overview of slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	16.43	Rating **	M	Issue No.	54 (cont)	
LM End	16.43	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.345635 °	39.345635 °	
				-122.022915 °	-122.022915 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48101 DS_ID:17349 EP_NO: 9500 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 4/16/2016 Same as last inspection. Appears abandoned and should be done so properly.4/2/2015 WS slide gate and LS distribution box are still silted over.Seems abandoned as slide gate and distribution box silted.7/2/2014 Same as last inspection.7/23/2013 Same as last inspection.12/19/2013 Same as last inspection. FIELD_STRUCT_DESC: *ABANDONED* 48-inch corrugated metal irrigation and drain pipe through the levee, 17.0 feet below the crown. Slide gate on the waterside (WS). 8-inch steel pipe sleeved through the 48-inch pipe during the summer months. Discharges into concrete distribution box at the landside (LS) toe. (Permit No. 9500, 1974 - Zumwalt). O&M manual 136, revision May 2011. FS Date: 4/14/2016 1:06:00 PM						

Photo 2 of 2 : UCIP_SP_2016_48101_47379.jpg



Waterside view: slide gate on steel structure

LM Start	17.97	Rating **	C	Issue No.	10
LM End	18.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.358956 °	39.359565 °
				-122.007492 °	-122.006219 °
DWR ID	DWR_ST0003_01_s_2012_10				
Comment Code					
FW : Firewood					
Inspector Comment					
Firewood has been removed from the landside toe.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	18.07	Rating **	M	Issue No.	36
LM End	18.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359675 °	39.359675 °
				-122.005879 °	-122.005879 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44490 DS_ID:17342 EP_NO: 14217 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 4/2/2015 Unable to locate.Need to contact owner to determine status and location of this crossing. 7/24/2013 Same as last inspection. Unable to locate.12/19/2013 Unable to locate.7/2/2014 Unable to locate. FIELD_STRUCT_DESC: One of two pipes. Two 2-inch diameter steel coated gas pipelines through levee and within overflow area. (Permit No. 14217 - Jordan oil and Gas 10/85). Pipe depth 2.0 ft below crown. FS Date: 4/16/2015 1:31:11 PM					

No Photos

LM Start	18.07	Rating **	M	Issue No.	35
LM End	18.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359675 °	39.359675 °
				-122.005879 °	-122.005879 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44489 DS_ID:17520 EP_NO: 14217 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: 4/2/2015 Unable to locate.Need to contact owner to determine status and location of this crossing. 7/24/2013 Same as last inspection. Unable to locate.12/19/2013 Unable to locate.7/2/2014 Unable to locate. FIELD_STRUCT_DESC: 2 of 2. Two 2-inch diameter steel coated gas pipelines through levee and within overflow area. (Permit No. 14217 - Jordan oil and Gas 10/85). Pipe depth 2.0 ft below crown. FS Date: 4/16/2015 1:25:42 PM					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	18.19	Rating **	M	Issue No.	37
LM End	18.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359983 °	39.359983 °
				-122.003732 °	-122.003732 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44491 DS_ID:17343 EP_NO: 9502 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/2/2015 Same as last inspection. Vertical pump on bank not found as bank is not accessible. An abandoned electrical switch found on waterside. Landside distribution box is filled with debris and soil. Crossing appears abandoned and should be verified as having been done so properly. 7/24/2013 Same as last inspection.12/19/2013 Same as last inspection.7/2/2014 Same as last inspection. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee, 18.0 feet below the crown. Vertical pump on bank. Slide gate in concrete box at the waterward toe. Discharges into concrete distribution box at the landward toe. Pole on the waterward shoulder. (ABO No. 9502 - Coffman, and Application No. 11540). O&M manual 136, revision May 2011. FS Date: 4/16/2015 1:39:44 PM					

Photo 1 of 2 : UCIP_SP_2016_44491_47394.jpg



Waterside view: overview of gate riser

LM Start	18.19	Rating **	M	Issue No.	37 (cont)
LM End	18.19	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_SP_2016_44491_47392.jpg



Waterside view: inside gate riser

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	18.20	Rating **	M	Issue No.	38
LM End	18.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.359948 °	39.359948 °
				-122.003591 °	-122.003591 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44492					
DS_ID:17344					
EP_NO: 12930A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: 4/2/2015 Unable to locate.Need to contact owner to determine status and location of this crossing. 7/24/2013 Same as last inspection. Unable to locate.12/19/2013 Unable to locate7/2/2014 Unable to locate.					
FIELD_STRUCT_DESC: 3 1/2-inch steel gas pipe through levee, 2 feet below the crown. (Permit No. 12930-A - Jordan Gas Co. 9/81).					
FS Date: 4/16/2015 1:42:42 PM					

No Photos

LM Start	18.70	Rating **	M	Issue No.	55
LM End	18.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.364067 °	39.364067 °
				-121.997792 °	-121.997792 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:48105 DS_ID:17346 EP_NO: 9503 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/14/2016 Inlet structure still filled with soil.4/2/2015 Same as last inspection. Pipe has been selected for internal camera inspection.According to local people, the crossing is functional. The gap between 8-inch and 24-inch pipes is grouted with cement. Inlet structure is filled with soil.7/2/2014 Same as last inspection.12/19/2013 Same as last inspection.7/24/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through the levee, 19 feet below the crown, with 8-inch steel pipe sleeved through it. Annular space cement grouted. Slide gate at waterside (WS) toe and concrete inlet box on landside (LS) of the levee. (Permit No. 9503, 1974 - Baird). O&M Manual 136, revision May 2011. FS Date: 4/14/2016 2:22:00 PM					

Photo 1 of 2 : UCIP_SP_2016_48105_47442.jpg



Waterside view: overview of slide gate structure

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	18.70	Rating **	M	Issue No.	55 (cont)
LM End	18.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.364067 °	39.364067 °
				-121.997792 °	-121.997792 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:48105 DS_ID:17346 EP_NO: 9503 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/14/2016 Inlet structure still filled with soil.4/2/2015 Same as last inspection. Pipe has been selected for internal camera inspection.According to local people, the crossing is functional. The gap between 8-inch and 24-inch pipes is grouted with cement. Inlet structure is filled with soil.7/2/2014 Same as last inspection.12/19/2013 Same as last inspection.7/24/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through the levee, 19 feet below the crown, with 8-inch steel pipe sleeved through it. Annular space cement grouted. Slide gate at waterside (WS) toe and concrete inlet box on landside (LS) of the levee. (Permit No. 9503, 1974 - Baird). O&M Manual 136, revision May 2011. FS Date: 4/14/2016 2:22:00 PM					

Photo 2 of 2 : UCIP_SP_2016_48105_47441.jpg



Waterside view: 8-inch pipe inside 24-inch CMP

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	19.55	Rating **	M	Issue No.	43
LM End	19.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.375221 °	39.375221 °
				-121.995878 °	-121.995878 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44500 DS_ID:17487 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/2/2015 Same as last inspection.Slide Gate WS not found. An abandoned pump and steel pipe found on WS. A 6 ft x 8 ft concrete distribution box with a CMP found on LS. Box filled with soil. An abandoned crossing.7/24/2013 Same as last inspection.12/19/2013 Same as last inspection.7/2/2014 Same as last inspection. FIELD_STRUCT_DESC: 36 inch pipe, 21.7 ft invert below crown. O&M manual 136, revision May 2011. FS Date: 4/16/2015 2:33:22 PM					

LM Start	19.55	Rating **	M	Issue No.	43 (cont)
LM End	19.55	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_44500_47449.jpg



Waterside view: overview

Photo 2 of 2 : UCIP_SP_2016_44500_47448.jpg



Waterside view: abandoned and ruined pipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	19.85	03/22/2016 03/22/2016	Keith Millard

LM Start	19.97	Rating **	M	Issue No.	44
LM End	19.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.380501 °	39.380501 °
				-121.993546 °	-121.993546 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44501 DS_ID:17370 EP_NO: 9496 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 4/2/2015 Same as last inspection.Only one pump found on WS. An abandoned surge box found on WS and pipe is grouted with cement. Two 16-inch steel pipe found on pump station along with two electrical conduits. A concrete distribution box found on LS with 20-inch CMP. Appears abandoned crossing.7/24/2013 Same as last inspection.12/19/2013 Same as last inspection. 7/2/2104 Same as last inspection. FIELD_STRUCT_DESC: 20-inch corrugated metal pipe through the levee, 19.8 feet below the crown. Two vertical pumps on pile structure on the waterward bank. Slide gate in concrete surge box on the waterward berm. Discharges into concrete distribution box on the landward side across the county road. Switch board on platform on bank. (ABO No. 9496 Womble). O&M manual 136, revision May 2011. FS Date: 4/16/2015 2:35:52 PM					

LM Start	19.97	Rating **	M	Issue No.	44 (cont)
LM End	19.97	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_SP_2016_44501_47459.jpg



Waterside view: overview

Photo 2 of 2 : UCIP_SP_2016_44501_47457.jpg



Waterside view: gate riser with slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 02 Colusa Bypass			Right	2.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2016 - 3/22/2016			
DWR Inspector	Keith Millard			
Accompanied By	Bryan Reniff Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Colusa Bypass	Right	2.20	03/22/2016 03/22/2016	Keith Millard

LM Start	0.02	Rating **	M	Issue No.	1
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.232058 °	39.232058 °
				-121.995514 °	-121.995514 °
DWR ID	DWR_ST0003_02_s_2012_1				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0003_265_1_20160405_00004.jpg



Elderberry

LM Start	1.20	Rating **	M	Issue No.	2
LM End	1.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.229526 °	39.229526 °
				-121.975686 °	-121.975686 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44506 DS_ID:17531 EP_NO: 13534 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 4/6/2015 Same as last inspection.May need to add more substantial gasoline markers.7/22/2013 Same as last inspection.12/19/2013 Same as last inspection.7/7/2014 Same as last inspection. FIELD_STRUCT_DESC: 2-1/2 inch steel gas pipeline through the levee 2.5 feet below the crown. (13534 - Texaco Incorporated). A gasoline indicator found on LS. FS Date: 4/16/2015 2:44:41 PM					

Photo 1 of 2 : UCIP_SP_2016_44506_47480.jpg



Landside view: overview gasline indicator

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Colusa Bypass	Right	2.20	03/22/2016 03/22/2016	Keith Millard

LM Start	1.20	Rating **	M	Issue No.	2 (cont)	
LM End	1.20	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.229526 °		39.229526 °
				-121.975686 °		-121.975686 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:44506 DS_ID:17531 EP_NO: 13534 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 4/6/2015 Same as last inspection.May need to add more substantial gasoline markers.7/22/2013 Same as last inspection.12/19/2013 Same as last inspection.7/7/2014 Same as last inspection. FIELD_STRUCT_DESC: 2-1/2 inch steel gas pipeline through the levee 2.5 feet below the crown. (13534 - Texaco Incorporated). A gasoline indicator found on LS. FS Date: 4/16/2015 2:44:41 PM						

Photo 2 of 2 : UCIP_SP_2016_44506_47479.jpg



Landside view: overview gasoline indicator

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 03 Colusa Bypass			Left	2.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2016 - 3/22/2016			
DWR Inspector	Keith Millard			
Accompanied By	Bryan Reniff Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

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If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Colusa Bypass	Left	2.29	03/22/2016 03/22/2016	Keith Millard

LM Start	1.03	Rating **	M	Issue No.	12
LM End	1.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.239306 °	39.239306 °
				-121.975797 °	-121.975797 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44508
DS_ID:17558
EP_NO: 15821
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 4/6/2015 Same as last inspection. May need to add additional gasline markers. 7/22/2013 Same as last inspection. 12/19/2013 Same as last inspection. 7/7/2014 Same as last inspection.
FIELD_STRUCT_DESC: 3 of 3. 4-inch natural gas pipeline under both levees and the Colusa Bypass with a distance of 12 inches between them and two inches on either side of the trench. Only one gasline indicator found on LS.
FS Date: 4/16/2015 2:47:17 PM

LM Start	1.03	Rating **	M	Issue No.	12 (cont)
LM End	1.03	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44508_47486.jpg



Landside view: gasline indicator

Photo 2 of 2 : UCIP_SP_2016_44508_47485.jpg



Landside view: gasline indicator close look

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Colusa Bypass	Left	2.29	03/22/2016 03/22/2016	Keith Millard

LM Start	1.03	Rating **	M	Issue No.	13
LM End	1.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.239306 °	39.239306 °
				-121.975797 °	-121.975797 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:44509
DS_ID:17556
EP_NO: 15821
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 4/6/2015 Same as last inspection.May need to add additional gasline markers.7/22/2013 Same as last inspection.12/19/2013 Same as last inspection.7/7/2014 Same as last inspection.
FIELD_STRUCT_DESC: 1 of 3. 4-inch natural gas pipeline under both levees and the Colusa Bypass with a distance of 12 inches between them and two inches on either side of the trench. One gasline indicator found on LS.
FS Date: 4/16/2015 2:47:45 PM

LM Start	1.03	Rating **	M	Issue No.	13 (cont)
LM End	1.03	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2016_44509_47482.jpg



Landside view: gasline indicator

Photo 2 of 2 : UCIP_SP_2016_44509_47481.jpg



Landside view: gasline indicator close view

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Colusa Bypass	Left	2.29	03/22/2016 03/22/2016	Keith Millard

LM Start	1.03	Rating **	M	Issue No.	11
LM End	1.03	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.239306 °	39.239306 °
				-121.975797 °	-121.975797 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44507					
DS_ID:17557					
EP_NO: 15821					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: 4/6/2015 Same as last inspection.May need to add additional gasline markers.7/22/2013 Same as last inspection.12/19/2013 Same as last inspection.7/7/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 2 of 3. 4-inch natural gas pipeline under both levees and the Colusa Bypass with a distance of 12 inches between them and two inches on either side of the trench. Only one gasline indicator found on LS.					
FS Date: 4/16/2015 2:46:36 PM					

Photo 1 of 2 : UCIP_SP_2016_44507_47484.jpg



Landside view: gasline indicator

Photo 2 of 2 : UCIP_SP_2016_44507_47483.jpg



Landside view: gasline indicator close view

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 04 Moulton Bypass			Right	0.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2016 - 3/22/2016			
DWR Inspector	Keith Millard			
Accompanied By				

Summer & Winter Inspections

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The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Moulton Bypass	Right	0.30	03/22/2016 03/22/2016	Keith Millard

LM Start	0.30	Rating **	A	Issue No.	1
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.335976 °	39.335976 °
				-122.017534 °	-122.017534 °
DWR ID	DWR_ST0003_04_s_2016_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Vegetation being maintained at a an acceptable level by LMA.					

Photo 1 of 1 : SP_2016_ST0003_267_1_20160517_00001.jpg



3/22/2016: Vegetation maintained at a minimal level.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2016 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 05 Moulton Bypass			Left	2.19
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/22/2016 - 3/22/2016			
DWR Inspector	Keith Millard			
Accompanied By	Bryan Reniff Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

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- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

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If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2016

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Moulton Bypass	Left	2.19	03/22/2016 03/22/2016	Keith Millard

LM Start	1.59	Rating **	M	Issue No.	1
LM End	2.18	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.335953 °	39.336852 °
				-121.995807 °	-121.984934 °
DWR ID	DWR_ST0003_05_s_2016_1				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2016_ST0003_268_1_20160405_00001.jpg



Fence obstructing access

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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